



1775

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Hikaru Izawa et al.      Docket No.: 01-487  
Serial No.: 09/890,924      Examiner :  
Filed : January 15, 2002      Art Unit : 1775  
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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313

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Dear Sir:

In accordance with the requirements of 37 CFR 1.97 and 1.98,  
Applicants hereby submit the documents listed hereinbelow, copies  
enclosed.

- (1) French Patent No. 2 762 545, By Martin Jerome,  
published October 30, 1998. This patent discloses a  
fiduciary document or the like, such as a banknote,  
passport, identity card, bank card, comprising a medium  
whereon which are provided security prints. The  
invention is characterized in that the security prints  
include: a first print produced in ink of a first  
color (C1) invisible to the naked eye but fluorescent  
or phosphorescent; a second print covering the first

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and produced in ink of a second color (C2) visible or invisible to the naked eye but fluorescent or phosphorescent, the second print being produced so as to blur the first print, such that in neutral light of ultraviolet illumination, only said second print is visible, while the first print is revealed only in ultraviolet illumination and through a filter of the same color (C1) as that of the first print.

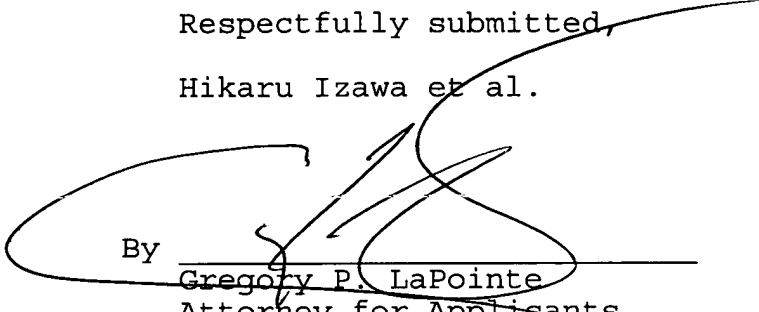
- (2) U.K. Patent No. 2 258 659 entitled AN ANTI-STROKES LUMINESCENT MATERIAL, By Bratchley, published February 17, 1993. This patent discloses material which comprises doped yttrium oxysulphide ( $Y_2O_3S$ ), in which the dopants comprise, by weight of the oxysulphide, 4 to 50% of one or both of erbium (Er) and ytterbium (Yb). The material may comprise 1 to 50 ppm of one or more other lanthanide elements. Erbium and ytterbium may be replaced by thulium (Tm), holmium (Ho) or lutecium (Lu). The material may be in the form of particles whose average size is no more than 20  $\mu m$ . The material may be used in inks for printing e.g. security documents because they are invisible under normal viewing conditions and visible when illuminated with infrared illumination.

The undersigned submits the above-identified references for independent consideration by the Examiner and does not make any admission that these references are or are not material to the present invention or that these references are or are not prior art with respect to the present invention.

Respectfully submitted,

Hikaru Izawa et al.

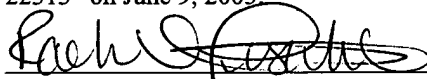
By



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Date: June 9, 2003

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313" on June 9, 2003.



Rachel Piscitelli

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**Complete if Known**

Application Number	09/890,924
Filing Date	January 15, 2002
First Named Inventor	Hikaru Izawa et al.
Group Art Unit	1775
Examiner Name	
Attorney Docket Number	01-487

Sheet	1	of	1
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[illegible][illegible]Date  
Considered

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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